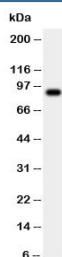


## CSF3R Antibody Colony Stimulating Factor 3 Receptor (R31006)

Catalog No.	Formulation	Size
R31006	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	Q99062
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This CSF3R antibody is available for research use only.



Western blot testing of CSF3R antibody and human placenta tissue lysate

### Description

Colony-Stimulating Factor 3 Receptor, Granulocyte also known as GCSFR or CD114 (Cluster of Differentiation 114) is a protein that in humans is encoded by the CSF3R gene. G-CSF-R is a cell-surface receptor for the granulocyte colony-stimulating factor (G-CSF). The G-CSF receptors belongs to a family of cytokine receptors known as the hematopoietin receptor family. By in situ hybridization using human CSF3R cDNA as a probe, Inazawa et al.(1991) localized the gene to 1p35-p34.3. The G-CSF-R is a transmembrane receptor that consists of an extracellular ligand-binding portion, a transmembrane domain, and the cytoplasmic portion that is responsible for signal transduction. GCSF-R ligand-binding is associated with dimerization of the receptor and signal transduction through proteins including Jak, Lyn, STAT, and

Erk1/2. Dong et al.(2001) reported that the C terminus of CSF3R is required for SHP1 downregulation of CSF3-induced STAT activation. The authors proposed that this mechanism inhibits cell proliferation and survival in response to CSF3.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CSF3R antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the middle region of human CSF3R (EPWQPGLHINQKCELRHK) was used as the immunogen for this CSF3R antibody.

## Storage

After reconstitution, the CSF3R antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.